

# IMPROVED BETA-LACTAM ANTIBIOTICS

## ABSTRACT OF THE INVENTION

5           The present invention provides compositions comprising improved beta-lactam antibiotics and methods for applying these compositions to inhibit the growth of microbial infections. The improved antibiotics are capable of inhibiting the growth of both antibiotic sensitive and antibiotic resistant microorganisms. In addition, the invention provides methods for treating a subject infected with a microorganism by  
10       administering the compositions of the invention.

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